

HELICOPTER BLADE ASSEMBLY ADAPTED
TO PERMIT RAPID FORWARD FLIGHT

ABSTRACT OF THE DISCLOSURE

5 A helicopter blade assembly for permitting
rapid forward flight in a helicopter having separate
means for providing a forward impetus is disclosed. The
assembly has a set of rotatable blades attached to a
substantially vertical mast. These blades slope downward
10 near to their distal ends, thereby creating an inverted
disk virtual air foil when the blades are rapidly rotated
by the mast. In a preferred embodiment the camber of the
blades and, therefore, the shape of the virtual air foil
is controllable.

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